

**IN THE CLAIMS**

Please amend claims 1 and 2, as follows.

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1       --1. [Twice Amended] A multi-tasking operating system for  
2       managing simultaneous access to scarce or serially re-usable  
3       resources by multiple process threads, comprising:

4           at least one resource;

5           a plurality of threads requesting access to said  
6           resource; and

7           a stationary queue for allocating access to said  
8           resource amongst said threads one-by-one in order of  
9           request.--

1       2. [Amended] A multi-tasking operating system stationary  
2       queue for managing simultaneous access to scarce or serially  
3       re-usable resources by multiple process threads, the  
4       stationary queue comprising:

5           a sleep code routine for generating a unique block  
6           identifier when a process thread temporarily cannot

7 gain access to said resource and must be suspended; and  
8 a wakeup code routine for generating a unique run  
9 identifier when a next thread in line is to be  
10 re-animated and granted access to said resource in FIFO  
11 order.

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12 ***IN THE SPECIFICATION***

13 Please amend the paragraph beginning at Page 8, line 14, as  
14 follows:

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15 -- If, in step 144, it is determined that the requested  
16 resource is available, in step 145 the thread uses the  
17 resource and, when finished, in step 152 returns the  
18 resource. In step 154 it is determined whether or not NFW  
19 counter 112 equals NSC counter 110. If they are equal,  
20 there are no threads waiting on the resource, and processing  
21 returns to step 142 to await a request from a thread for the  
22 resource. If they are not equal, there is a waiting thread.  
23 In step 156, run ID 132 is created using the value of NSC  
24 110 counter, which will then be incremented in step 158. In  
25 step 160, the thread identified by run ID 132 is awakened  
26 and made ready to run by the operating system. In step 162,  
that thread awakens, and in step 145, uses the resource.--

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